

# Amal Al Ghaferi

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

281  
citations

1051969

10  
h-index

1051228

16  
g-index

28  
all docs

28  
docs citations

28  
times ranked

372  
citing authors

#	ARTICLE	IF	CITATIONS
1	A user-friendly FIB lift-out technique to prepare plan-view TEM sample of 2D thin film materials. <i>Ultramicroscopy</i> , 2022, 235, 113496.	0.8	4
2	Ultra-Cheap Renewable Energy as an Enabling Technology for Deep Industrial Decarbonization via Capture and Utilization of Process CO <sub>2</sub> Emissions. <i>Energies</i> , 2022, 15, 5181.	1.6	2
3	What is going on with Middle Eastern solar prices, and what does it mean for the rest of us?. <i>Progress in Photovoltaics: Research and Applications</i> , 2021, 29, 638-648.	4.4	17
4	Revealing the Quasi-Periodic Crystallographic Structure of Self-Assembled SnTiS <sub>3</sub> Misfit Compound. <i>Journal of Physical Chemistry C</i> , 2021, 125, 9956-9964.	1.5	4
5	Highly electrically conductive carbon nanostructured mats fabricated out of aligned CNTs-based flakes. <i>Diamond and Related Materials</i> , 2020, 106, 107849.	1.8	3
6	Investigation of Magnetic Properties of <sup>57</sup> Fe-Fe <sub>2</sub> O <sub>3</sub> NP-Decorated Carbon Nanostructured Mats. <i>Jom</i> , 2019, 71, 3142-3150.	0.9	3
7	Direct growth of single-layer terminated vertical graphene array on germanium by plasma enhanced chemical vapor deposition. <i>Carbon</i> , 2019, 155, 320-325.	5.4	19
8	Thin carbon nanostructure mat with high electromagnetic interference shielding performance. <i>Synthetic Metals</i> , 2019, 253, 48-56.	2.1	15
9	Functionalized three-dimensional graphene sponges for highly efficient crude and diesel oil adsorption. <i>Environmental Science and Pollution Research</i> , 2018, 25, 23091-23105.	2.7	29
10	TC Study of Manufacturable Nano Grease: Evidence of 3D Network Structure. <i>Nanomanufacturing and Metrology</i> , 2018, 1, 148-155.	1.5	7
11	Plasmonic nanofluids enhanced solar thermal transfer liquid. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	5
12	Fabrication and design of CNTs inkjet-printed based micro FET sensor for sodium chloride scale detection in oil field. <i>Sensors and Actuators A: Physical</i> , 2017, 263, 349-356.	2.0	4
13	Effect of Saline Solution on the Electrical Response of Single Wall Carbon Nanotubes-Epoxy Nanocomposites. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-8.	1.5	3
14	Carbon Nanotube Inkjet Printing Based Resettable Sensor for Online Scale Monitoring. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 405-412.	0.9	2
15	Processing and property investigation of high-density carbon nanostructured papers with superior conductive and mechanical properties. <i>Diamond and Related Materials</i> , 2016, 68, 109-117.	1.8	24
16	Broadband light absorption by silver nanoparticle decorated silica nanospheres. <i>RSC Advances</i> , 2016, 6, 107951-107959.	1.7	10
17	Synthesis and optical characterization of carbon nanotube arrays. <i>Materials Research Bulletin</i> , 2016, 77, 243-252.	2.7	19
18	Carbon nanomaterials based TSVs for dual sensing and vertical interconnect application. , 2015, , .		6

#	ARTICLE	IF	CITATIONS
19	Holistic Characterization of Carbon Nanotube Membrane for Capacitive Deionization Electrodes Application. Materials Research Society Symposia Proceedings, 2015, 1752, 125-130.	0.1	4
20	The power laws of nanoscale forces under ambient conditions. Chemical Communications, 2015, 51, 17619-17622.	2.2	10
21	Thermal Conductivity of Nanofluids: Review. Journal of Nanofluids, 2015, 4, 107-132.	1.4	59
22	Optimizing the Dispersion Conditions of SWCNTs in Aqueous Solution of Surfactants and Organic Solvents. Journal of Nanomaterials, 2014, 2014, 1-11.	1.5	15
23	Reconciling macro- with nano- carrier mobility measurements in organic photovoltaic blends. Applied Physics Letters, 2014, 104, 173905.	1.5	0
24	An amino acid-based swift synthesis of zinc oxide nanostructures. RSC Advances, 2014, 4, 4371-4378.	1.7	5
25	A green synthetic route for zinc oxide nanoarchitectures using L-lysine. Materials Letters, 2013, 92, 361-364.	1.3	8
26	Carbon Nanostructure-Based Scale Sensors Using Inkjet Printing and Casting Techniques. , 0, , .		0
27	Nanofluids Based on Carbon Nanostructures. , 0, , .		3
28	Realizing High Photovoltaic Power Densities With Tracking-Integrated Concentrator Photovoltaics. Frontiers in Energy Research, 0, 10, .	1.2	1